

Milling machine and milling, milling cutter

Milling

Regard the cutting of cutting tool as treatment with general milling cutter. Milling undertakes on milling machine or boring machine commonly, comfortable at machining all sorts of planar, cylindrical and conical surfaces (be like spline, gear and worm) the special curved surface with the mould. The feature of milling is: Each tooth of the milling cutter participates in cutting periodically discontinuously. Every tooth is in cutting process is changing. Graph 1 it is a few kinds of familiar milling treatment patterns.



Graph the tooth back appearance of milling cutter of 6-pointed

Milling cutter presses the treatment means cent of tooth back can be two kinds. Milling cutter of 6-pointed: Go up at the back of the grind give a narrow first flank in order to form hind horn, but the cutting angle is reasonable, its life is taller. The tooth back of pointed tine milling cutter has linear curve and broken line of forms (graph 6) . Linear tooth back is commonly used for finish machining milling cutter at serration. The tooth back of curve and broken line tooth back is better, can bear heavy cutting load, commonly used at thick tine milling cutter. 6-pointed tine milling cutter: Cut with the shovel at the back of its (the shovel is ground) the tooth back that the method process of corkscrewed yarn of Cheng Aji Meade, milling cutter is used. The hind simply is ground again in front, can carry original tooth back changeless, use at making all sorts of figuration milling cutter such as gear milling cutter.

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